

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12271	(laser or emit\$3 or Diode or LED) WITH (transparent or translucent or ((light or laser or energy) adj (pass\$3 or transmit\$3 or through))) WITH (reflect\$3 or mirror)	USPAT	OR	ON	2006/02/20 20:34
L2	3457	385/88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 20:34
L3	4026	385/31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 20:34
L4	2834	385/39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 20:34
L5	2450	385/92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 20:34
L6	922	385/94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 20:34
L7	1070	385/47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 20:34
L8	342	372/29.02	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 20:34
L9	1163	372/33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 20:34

## EAST Search History

L10	2017	257/98	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 20:34
L11	3035	385/15	USPAT	OR	ON	2006/02/20 20:34
L12	2530	385/39	USPAT	OR	ON	2006/02/20 20:34
L13	12848	L2 or L3 or L4 or L5 or L6 or L7 or L8 or L9 or L10 or L11 or L12	USPAT	OR	ON	2006/02/20 21:17
L14	27201	(laser or emit\$3 or Diode or LED) WITH (transparent or translucent or ((light or laser or energy) adj (pass\$3 or transmit\$3 or through))) WITH (reflect\$3 or mirror)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 20:36
L15	659	14 and 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 20:35
L16	18901	((laser or emit\$3 or Diode or LED) NEAR10 (transparent or translucent or ((light or laser or energy) adj (pass\$3 or transmit\$3 or through)))) WITH (reflect\$3 or mirror)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 20:36
L17	490	16 and 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 20:36
L18	16612	((laser or emit\$3 or Diode or LED) NEAR10 (transparent or translucent or ((light or laser or energy) adj (pass\$3 or transmit\$3 or through)))) NEAR10 (reflect\$3 or mirror)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 20:37
L19	7780	((laser or emit\$3 or Diode or LED) NEAR5 (transparent or translucent or ((light or laser or energy) adj (pass\$3 or transmit\$3 or through)))) NEAR5 (reflect\$3 or mirror)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 20:37

## EAST Search History

L20	195	19 and 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 20:37
L21	24	("20030113076"   "20040066570"   "4966430"   "5454055"   "5650640"   "5696862"   "5745625"   "5814870"   "5930430"   "6019523"   "6088501"   "6130448"   "6155724"   "6213650"   "6257772"   "6264377"   "6318908"   "6422766"   "6435734"   "6485197"   "6550983"   "6611001"   "6623178"   "6623180").PN. OR ("6856717").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 21:15
L22	0	Nishle-mitsuaki.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 21:16
L23	22	Nishie-mitsuaki.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 21:19
L24	86	nakanishi-hiromi.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 21:16
L25	133	kuhara-yoshiki.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 21:17
L26	105	22 or 23 or 24.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 21:17
L27	150	398/141	USPAT	OR	ON	2006/02/20 21:26
L28	12951	27 or 13	USPAT	OR	ON	2006/02/20 21:17
L29	31	28 and 26	USPAT	OR	ON	2006/02/20 21:18
L30	118	Nishie-mitsuaki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 21:19
L31	245	nakanishi-hiromi.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 21:19

## EAST Search History

L32	157	kuhara-yoshiki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 21:20
L33	438	30 or 31 or 32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 21:20
L34	199	398/141	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 21:27
L35	13000	13 or 34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 21:27
L36	51	35 and 33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 21:46
L37	2	"20020180698".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 21:48
L38	2	"20050180698".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 22:35
L39	2	"20020196500".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 22:35

## EAST Search History

L40	0	39 and hermtica\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/20 22:36
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## EAST Search History

L41	156	(US-20040066570-\$ or US-20030113076-\$ or US-20040071411-\$ or US-20040101259-\$ or US-20040105647-\$ or US-20040190836-\$ or US-20050180698-\$ or US-20050241135-\$ or US-20040234270-\$ or US-20030235376-\$ or US-20020196500-\$ or US-20050093667-\$ or US-20020039474-\$ or US-20040037519-\$).did. or (US-6963598-\$ or US-6888169-\$ or US-6856635-\$ or US-6697396-\$ or US-6654125-\$ or US-6630994-\$ or US-6624899-\$ or US-6600845-\$ or US-5696862-\$ or US-6611001-\$ or US-6550983-\$ or US-6623180-\$ or US-6867796-\$ or US-6867377-\$ or US-6863453-\$ or US-6366350-\$ or US-6314223-\$ or US-5555334-\$ or US-5282080-\$ or US-5093980-\$ or US-4733094-\$ or US-4732446-\$ or US-6971804-\$ or US-6873799-\$ or US-6830711-\$ or US-6731882-\$).did. or (US-6525386-\$ or US-6163556-\$ or US-6102294-\$ or US-5910663-\$ or US-5438208-\$ or US-5319182-\$ or US-5140152-\$ or US-4893901-\$ or US-4611886-\$ or US-4549782-\$ or US-4457582-\$ or US-3617932-\$ or US-6452669-\$ or US-6339496-\$ or US-5835514-\$ or US-5606572-\$ or US-6966706-\$ or US-6963683-\$ or US-6905260-\$ or US-4351585-\$ or US-6694074-\$ or US-6591043-\$ or US-6069905-\$ or US-5737348-\$ or US-6406195-\$ or US-6404959-\$ or US-5997185-\$).did. or (US-6863444-\$ or US-6845118-\$ or US-6567435-\$ or US-6814501-\$ or US-6799902-\$ or US-5812582-\$ or US-6952507-\$ or US-6588945-\$ or US-5416624-\$ or US-5761229-\$ or US-6678454-\$ or US-6786654-\$ or US-5771254-\$ or US-5809050-\$ or US-6856717-\$ or US-6623178-\$ or US-6998691-\$ or US-6998281-\$ or US-6987613-\$ or US-6973110-\$ or US-6960035-\$ or US-6969946-\$ or US-6952437-\$ or US-6948840-\$ or US-6946684-\$ or US-6945711-\$ or US-6904209-\$).did. or (US-6878971-\$ or US-6881980-\$ or US-6804705-\$ or US-6802270-\$	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/20 23:35
2/20/06 11:48:10 PM	C:\Documents and Settings\Hudnell\My Documents\EAST\Workspaces\Workspaces\10 777 583.wsp					Page 6

## EAST Search History

L42	113	41 and lens	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 23:38
S1	2	hauffe-ralf.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:07
S2	12	Kilian-arnd.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:07
S3	12	S1 or S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:17

## EAST Search History

S4	198	("5398170" "5761229" "5771254" "5584296" "5809050" "6249370" "5218223" "5418631" "5956854" "6022124" "6122833" "6216352" "6216352" "6238060" "4365864" "4580871" "4597349" "5698847" "5764223" "5774609" "5838715" "5925867" "5944405" "6037964" "6108497" "4518259" "4831276" "4914437" "5301043" "5606537" "5711588" "5719663" "6002458" "6088376" "6160769" "6172745" "6239916" "6243148" "6243509" "4256403" "4262995" "4364102" "4453200" "4530566" "4632543" "4766470" "4775217" "4902244" "4935939" "4975752").pn. ("5019808" "5247506" "5258812" "5285058" "5400308" "5416608" "5453855" "5487058" "5724375" "5871215" "5883913" "5918108" "5944416" "5963349" "5997570" "6016203" "6042234" "6044871" "6075649" "6081638" "6094252" "6144781" "6185161" "6198213" "6224223" "6224223" "4244045" "4245886" "4268112" "4277817" "4310905" "4355323" "4394661" "4513087" "4580130" "4773018" "4779256" "4789881" "4793679" "4807166" "4847734" "4857895" "4884112" "4927681" "4978187" "5214457" "5221387" "5223710" "5225672" "5247178").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:37
S5	3353	385/88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:37
S6	3899	385/31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:37
S7	2741	385/39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:37



## EAST Search History

S8	2365	385/92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:37
S9	894	385/94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:37
S10	1037	385/47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:37
S11	329	372/29.02	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:37
S12	1155	372/33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:38
S13	1914	257/98	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/13 18:38
S14	24	("20030113076"   "20040066570"   "4966430"   "5454055"   "5650640"   "5696862"   "5745625"   "5814870"   "5930430"   "6019523"   "6088501"   "6130448"   "6155724"   "6213650"   "6257772"   "6264377"   "6318908"   "6422766"   "6435734"   "6485197"   "6550983"   "6611001"   "6623178"   "6623180").PN. OR ("6856717").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/13 18:45
S15	0	("2005/0180698").URPN.	USPAT	OR	ON	2005/11/13 19:29
S16	2919	385/15	USPAT	OR	ON	2005/11/13 19:30
S17	2437	385/39	USPAT	OR	ON	2005/11/13 19:30
S18	12391	S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12 or S13 or S16 or S17	USPAT	OR	ON	2005/11/13 19:42

## EAST Search History

S19	14847	((VCSEL or laser or diode or PD or LD or laser-diode or photo-diode or ((energy or light) NEAR5 (emit\$6 or source))) WITH (Monit\$4 or ((light or laser) NEAR3 detector) or photo-diode or diode) WITH ((light or laser or energy or beam or ray) NEAR4 (redirect\$3 or direct\$3 or reflect\$4))) SAME (Module or transmit\$4 or receiv\$4 or can)	USPAT	OR	ON	2005/11/13 19:42
S20	9589	((VCSEL or laser or diode or PD or LD or laser-diode or photo-diode or ((energy or light) NEAR5 (emit\$6 or source))) WITH (Monit\$4 or ((light or laser) NEAR3 detector) or photo-diode or diode) WITH ((light or laser or energy or beam or ray) NEAR4 (redirect\$3 or direct\$3 or reflect\$4))) WITH (Module or transmit\$4 or receiv\$4 or can)	USPAT	OR	ON	2005/11/13 19:52
S21	504	S20 and S18	USPAT	OR	ON	2005/11/13 19:43
S22	5852	((((VCSEL or laser or diode or PD or LD or laser-diode or photo-diode or ((energy or light) NEAR5 (emit\$6 or source))) WITH (Monit\$4 or ((light or laser) NEAR3 detector) or photo-diode or diode) WITH ((light or laser or energy or beam or ray) NEAR4 (redirect\$3 or direct\$3 or reflect\$4))) WITH (Module or transmit\$4 or receiv\$4 or can)) WITH (transparent or transmi\$5 or ("not" adj opaque) or transpicuous or diaphanous or ((light or beam) NEAR3 (pass or transmit\$5)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 19:57
S23	8	("20040234270" "5737348" "5997185" "6069905").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 04:18
S24	205	S22 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 19:57

## EAST Search History

S25	26	(US-20020039474-\$ or US-20030113076-\$ or US-20040037519-\$ or US-20040066570-\$ or US-20040101259-\$ or US-20040105647-\$ or US-20040190836-\$ or US-20040234270-\$ or US-20050093667-\$ or US-20050180698-\$ or US-20050241135-\$).did. or (US-5737348-\$ or US-5997185-\$ or US-6069905-\$ or US-6550983-\$ or US-6611001-\$ or US-6623178-\$ or US-6623180-\$ or US-6678454-\$ or US-6786654-\$ or US-6856717-\$).did. or (JP-2002098850-\$).did. or (DE-19601955-\$ or US-5737348-\$ or US-6069905-\$ or JP-2004294513-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/13 05:55
S26	0	("2004/0234270").URPN.	USPAT	OR	ON	2006/02/13 05:36
S27	0	("2004/0234270").URPN.	USPAT	OR	ON	2006/02/13 05:40
S28	115	Nishie-Mitsuaki.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/13 05:56
S29	219	Nakanishi-Hiromi.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/13 05:56
S30	133	Kuhara-Yoshiki.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/13 05:56
S31	3	S28 and S29 and S30	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/13 05:57
S32	398	S28 or S29 or S30	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/13 05:57
S33	0	("2004/0071411").URPN.	USPAT	OR	ON	2006/02/13 06:01
S34	17	("5606572"   "5737348"   "5761229"   "5812582"   "5835514").PN. OR ("6069905"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 06:02

## EAST Search History

S35	25	("4732446"   "4733094"   "5093980"   "5282080"   "5416624"   "5555334"   "5696862").PN. OR ("5997185").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 06:26
S36	21	("3617932"   "4351585"   "4457582"   "4549782"   "4611886").PN. OR ("4733094").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 06:15
S37	1	"20020196500".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 06:27
S38	0	("2002/0196500").URPN.	USPAT	OR	ON	2006/02/13 06:27
S39	0	"20040101259".pn.	USPAT	OR	ON	2006/02/13 06:27
S40	2	"20040101259".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 06:28